GLIDE number: EQ-2025-000043-MMR
Int. Charter Act. ID: 956

GDACS ID: EQ1474477
Product version: 1

EMSR798 - AOI01
Earthquake in Myanmar/Burma
TAUNGPYON

Situation as of 29/03/2025 04:14 UTC

Grading - Overview map 01

Potentially affected population
~ Not available

Affected Built-up and Transportations

Built-Up
50 No.

Built Up Grading
- Destroyed
- Damaged
- Possibly damaged

Transportation Grading
- Highway, No visible damage
- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage

General Information
- Area of Interest
- Detail map

Administrative Boundaries
- Municipality

Placenames
- Placename

Hydrography
- Lake, River

Event: On the 28 March 2025 at 06.20 UTC , a strong earthquake of 7.7 M at a depth of 10 km occurred on in Sagaing Region, central Myanmar. The epicentre was located about 16 km north-north-west of Sagaing city, and 19 km north-west of Mandalay city. An aftershock of 6.4 M at a depth of 18 km occurred in the same area at 06.32 UTC. Almost 3 million people were exposed to severe shaking. Copernicus EMS Rapid Mapping is requested to provide Initial rough estimation, event extent and damage assessment emergency mapping.

Data sources and analysis: Pre-event image: WorldView-3 © Maxar Technologies, Inc. (2025), (acquired on 06/03/2025 at 04:16 UTC, resolution 0.5 m).
Post-event image: Pléiades Neo © CNES (2025), distributed by Airbus DS (acquired on 29/03/2025 at 04:14 UTC, resolution 0.3 m).
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The thematic layer has been derived from post-event satellite image by means of visual interpretation.

Map produced by Telespazio Iberica released by e-GEOS on the 29/03/2025.

Details on this activation and service conditions available through the QR code or at the link: https://mapping.emergency.copernicus.eu/activations/EMSR798

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N
0 0.25 0.5 1 km
WGS 1984 UTM Zone 47N 1:17,000

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EMSR798 - AOI01
Earthquake in Myanmar/Burma
TAUNGPYON

Situation as of 29/03/2025 04:14 UTC

Grading - Detail map 02

Patheingyi

Mandalay

Built Up Grading

- Destroyed
- Damaged
- Possibly damaged

Transportation Grading

- Local road, No visible damage
- Track, No visible damage
- Railway, No visible damage

General Information

- Area of Interest

Administrative Boundaries

- Municipality

N 0 0.05 0.1 0.19 km

WGS 1984 UTM Zone 47N 1:3,000

Event: On the 28 March 2025 at 06.20 UTC , a strong earthquake of 7.7 M at a depth of 10 km occurred on in Sagaing Region, central Myanmar. The epicentre was located about 16 km north-north-west of Sagaing city, and 19 km north-west of Mandalay city. An aftershock of 6.4 M at a depth of 18 km occurred in the same area at 06.32 UTC. Almost 3 million people were exposed to severe shaking. Copernicus EMS Rapid Mapping is requested to provide Initial rough estimation, event extent and damage assessment emergency mapping.

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EMSR798 AOI: 01 Taungpyon Grading

Consequences within the AOI							
	Unit of measurement		Destroyed	Damaged	Possibly damaged*	Total affected**	Total in AOI
Estimated population	Number of inhabitants					NA	~ 27,000
Built-up	Residential Buildings	No.	29	16	5	50	7,036
	Other non-residential buildings	No.	0	0	0	0	13
	Communication buildings, stations, terminals and associated buildings	No.	0	0	0	0	1
Transportation	Highways	km	0	0	0	0	3.1
	Local Road	km	0	0	0	0	110.4
	Cart Track	km	0	0	0	0	20.5
	Long-distance railways	km	0	0	0	0	9.5
Land use	Heterogeneous agricultural areas	ha	0	0	0	0	1,767.8
	Forests	ha	0	0	0	0	66.5
	Shrub and/or herbaceous vegetation association	ha	0	0	0	0	3.0
	Inland wetlands	ha	0	0	0	0	72.2
	Other	ha	0	0	0	0	236.5

* Presence of damage proxies and proximity with destroyed/damaged asset
** Sum of all damage classes

Disclaimer:
Full disclaimer and other helpful information available in the online manual:
https://mapping.emergency.copernicus.eu/about/rapid-mapping-manual/
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Access to the portal

Data Access:
All data displayed on the map(s), as well as Land Use - Land Cover layer(s),
are available in the Crisis Information Package and the Base Layer Package (for reference data).
The table above is available in editable format in the Crisis Information Package.
All products and data are also available for download on the portal.

Estimated Population:
Estimated population is based on Copernicus Global Human Settlement Layer (GHSL) dataset.
Additional population datasets and analysis are available in the summary table.

Data Sources:
Base Vector Layers: OpenStreetMap © OpenStreetMap contributors (2025); Wikimapia.org; GeoNames 2015;
Global Administrative Areas (2022), refined by the producer, Globe Land 30 (2010), Copernicus Global Land Service: Land Cover (2019).

Inset Maps: Natural Earth 2023; HydroLAKES 2016 by HydroSHEDS;
© EuroGeographics, © TurkStat. Source: European Commission – Eurostat/GISCO, 2021.

Digital Elevation Model:
FABDEM (ForestAndBuildingsremovedCopernicusDEM) removes building and tree height biases from the Copernicus GLO 30
Digital Elevation Model (DEM) (Airbus, 2020).

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